



August 27, 2007

Charles L.A. Terreni
Chief Clerk and Administrator
South Carolina Public Service Commission
Post Office Drawer 11649
Columbia, South Carolina 29211

Re: Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.
Power Plant Performance Report (July 2007)
Docket No. 2006-224-E

Dear Mr. Terreni:

Enclosed are an original and one copy of the Power Plant Performance Report for Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc. for the month of July 2007.

Sincerely,

s/ Len S. Anthony

Len S. Anthony
Deputy General Counsel – Regulatory Affairs

LSA/dhs
Enclosures
45612

c: John Flitter (ORS)

July 2007

The following units had no off-line outages during the month of July:

Brunswick Unit 1
Brunswick Unit 2
Harris Unit 1
Robinson Unit 2
Mayo Unit 1
Roxboro Unit 3
Roxboro Unit 4

Roxboro Unit 2

Full Forced Outage

- A. Duration: The unit was taken out of service at 6:09 on July 15, and returned to service at 9:45 on July 18, a duration of 75 hours and 36 minutes.
- B. Cause: Waterwall Tube Leak
- C. Explanation: The unit was taken out of service to investigate and repair a tube leak in the waterwall section of the boiler.
- D. Corrective Action: Weld repairs were made, and the unit was returned to service.

	Month of July 2007		Twelve Month Summary		See Notes*
	-----		-----		-----
MDC	938 MW		938 MW		1
Period Hours	744 HOURS		8,760 HOURS		
Net Generation	710,056 MWH		7,926,942 MWH		2
Capacity Factor	101.75 %		96.47 %		
Equivalent Availability	99.92 %		93.65 %		
Output Factor	101.75 %		101.50 %		
Heat Rate	10,434 BTU/KWH		10,329 BTU/KWH		
	MWH	% of Possible	MWH	% of Possible	
	-----	-----	-----	-----	
Full Scheduled	0	0.00	0	0.00	3
Partial Scheduled	573	0.08	35,129	0.43	4
Full Forced	0	0.00	407,202	4.96	5
Partial Forced	0	0.00	62,888	0.77	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	697,872		8,216,880		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.

** Gross of Power Agency

	Month of July 2007		Twelve Month Summary		See Notes*
	-----		-----		-----
MDC	937 MW		937 MW		1
Period Hours	744 HOURS		8,760 HOURS		
Net Generation	698,194 MWH		6,546,778 MWH		2
Capacity Factor	100.15 %		79.76 %		
Equivalent Availability	99.94 %		79.06 %		
Output Factor	100.15 %		98.28 %		
Heat Rate	10,629 BTU/KWH		10,577 BTU/KWH		
	MWH	% of Possible	MWH	% of Possible	
	-----	-----	-----	-----	
Full Scheduled	0	0.00	1,040,570	12.68	3
Partial Scheduled	427	0.06	101,093	1.23	4
Full Forced	0	0.00	506,464	6.17	5
Partial Forced	0	0.00	61,007	0.74	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	697,128		8,208,120		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.

** Gross of Power Agency

	Month of July 2007		Twelve Month Summary		See Notes*
	-----		-----		-----
MDC	900 MW		900 MW		1
Period Hours	744 HOURS		8,760 HOURS		
Net Generation	666,547 MWH		7,962,455 MWH		2
Capacity Factor	99.54 %		101.00 %		
Equivalent Availability	100.00 %		99.21 %		
Output Factor	99.54 %		101.74 %		
Heat Rate	11,045 BTU/KWH		10,806 BTU/KWH		
	MWH	% of Possible	MWH	% of Possible	
	-----	-----	-----	-----	
Full Scheduled	0	0.00	0	0.00	3
Partial Scheduled	0	0.00	1,027	0.01	4
Full Forced	0	0.00	57,465	0.73	5
Partial Forced	3,053	0.46	11,118	0.14	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	669,600		7,884,000		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.

** Gross of Power Agency

	Month of July 2007		Twelve Month Summary		See Notes*
MDC	710 MW		710 MW		1
Period Hours	744 HOURS		8,760 HOURS		
Net Generation	525,101 MWH		5,690,914 MWH		2
Capacity Factor	99.41 %		91.50 %		
Equivalent Availability	97.33 %		87.88 %		
Output Factor	99.41 %		103.14 %		
Heat Rate	11,061 BTU/KWH		10,813 BTU/KWH		
	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	628,586	10.11	3
Partial Scheduled	0	0.00	16,784	0.27	4
Full Forced	0	0.00	73,508	1.18	5
Partial Forced	14,118	2.67	28,946	0.47	6
Economic Dispatch	0	0.00	9,775	0.16	7
Possible MWH	528,240		6,219,600		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.

	Month of July 2007		Twelve Month Summary		See Notes*
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MDC	741 MW		743 MW		1
Period Hours	744 HOURS		8,760 HOURS		
Net Generation	408,617 MWH		4,461,764 MWH		2
Capacity Factor	74.12 %		68.74 %		
Equivalent Availability	95.19 %		90.20 %		
Output Factor	74.12 %		73.33 %		
Heat Rate	10,562 BTU/KWH		10,538 BTU/KWH		
	MWH	% of Possible	MWH	% of Possible	
	-----	-----	-----	-----	
Full Scheduled	0	0.00	363,815	5.59	3
Partial Scheduled	19,490	3.54	98,361	1.51	4
Full Forced	0	0.00	42,745	0.66	5
Partial Forced	7,012	1.27	132,125	2.03	6
Economic Dispatch	116,185	21.07	1,407,043	21.63	7
Possible MWH	551,304		6,505,760		8

* See 'Notes for Fossil Units' filed with the January 2007 report.

** Gross of Power Agency

	Month of July 2007		Twelve Month Summary		See Notes*
MDC	639 MW		652 MW		1
Period Hours	744 HOURS		8,760 HOURS		
Net Generation	388,769 MWH		4,269,082 MWH		2
Capacity Factor	81.77 %		74.75 %		
Equivalent Availability	89.31 %		85.21 %		
Output Factor	91.02 %		84.82 %		
Heat Rate	9,091 BTU/KWH		9,318 BTU/KWH		
	MWH	% of Possible	MWH	% of Possible	
	-----	-----	-----	-----	
Full Scheduled	0	0.00	508,850	8.91	3
Partial Scheduled	0	0.00	234,509	4.11	4
Full Forced	48,308	10.16	73,017	1.28	5
Partial Forced	2,507	0.53	17,282	0.30	6
Economic Dispatch	35,831	7.54	612,962	10.73	7
Possible MWH	475,416		5,710,790		8

* See 'Notes for Fossil Units' filed with the January 2007 report.

	Month of July 2007		Twelve Month Summary		See Notes*
	-----		-----		-----
MDC	705 MW		706 MW		1
Period Hours	744 HOURS		8,760 HOURS		
Net Generation	414,714 MWH		3,702,079 MWH		2
Capacity Factor	79.07 %		59.87 %		
Equivalent Availability	99.75 %		77.25 %		
Output Factor	79.07 %		74.42 %		
Heat Rate	11,116 BTU/KWH		10,852 BTU/KWH		
	MWH	% of Possible	MWH	% of Possible	
	-----	-----	-----	-----	
Full Scheduled	0	0.00	1,083,867	17.53	3
Partial Scheduled	0	0.00	62,672	1.01	4
Full Forced	0	0.00	100,968	1.63	5
Partial Forced	1,290	0.25	160,797	2.60	6
Economic Dispatch	108,516	20.69	1,069,912	17.30	7
Possible MWH	524,520		6,183,100		8

* See 'Notes for Fossil Units' filed with the January 2007 report.

	Month of July 2007		Twelve Month Summary		See Notes*
	-----		-----		-----
MDC	698 MW		699 MW		1
Period Hours	744 HOURS		8,760 HOURS		
Net Generation	361,727 MWH		4,199,013 MWH		2
Capacity Factor	69.66 %		68.59 %		
Equivalent Availability	93.55 %		96.47 %		
Output Factor	69.66 %		69.13 %		
Heat Rate	10,653 BTU/KWH		10,539 BTU/KWH		
	MWH	% of Possible	MWH	% of Possible	
	-----	-----	-----	-----	
Full Scheduled	0	0.00	39,728	0.65	3
Partial Scheduled	32,596	6.28	149,749	2.45	4
Full Forced	0	0.00	0	0.00	5
Partial Forced	875	0.17	26,565	0.43	6
Economic Dispatch	124,114	23.90	1,706,771	27.88	7
Possible MWH	519,312		6,121,780		8

* See 'Notes for Fossil Units' filed with the January 2007 report.

** Gross of Power Agency

Plant	Unit	Current MW Rating	January 2006 - December 2006	July 2007	January 2007 - July 2007
Asheville	1	197	72.44	76.92	53.36
Asheville	2	186	60.37	63.64	72.66
Cape Fear	5	144	72.32	73.96	77.04
Cape Fear	6	173	65.99	75.15	70.75
Lee	1	77	47.56	72.34	57.25
Lee	2	77	43.52	70.04	60.88
Lee	3	252	60.06	74.11	69.55
Mayo	1	741	67.04	74.12	69.13
Robinson	1	180	78.19	85.17	78.40
Roxboro	1	383	77.79	84.23	79.08
Roxboro	2	639	81.26	81.77	70.32
Roxboro	3	705	59.60	79.07	73.49
Roxboro	4	698	65.20	69.66	71.17
Sutton	1	97	44.30	60.49	57.44
Sutton	2	106	46.43	63.18	63.73
Sutton	3	403	54.54	63.33	48.02
Weatherspoon	1	49	36.15	53.85	52.34
Weatherspoon	2	49	37.40	58.12	54.25
Weatherspoon	3	79	50.52	63.53	66.52
Fossil System Total		5,235	65.25	74.12	68.42
Brunswick	1	938	87.51	101.75	99.36
Brunswick	2	937	89.68	100.15	77.64
Harris	1	900	89.16	99.54	101.72
Robinson Nuclear	2	710	103.59	99.41	83.55
Nuclear System Total		3,485	91.80	100.27	90.91
Total System		8,720	75.80	84.57	77.41

Amended SC Fuel Rule
Related to Nuclear Operations

There shall be a rebuttable presumption that an electrical utility made every reasonable effort to minimize cost associated with the operation of its nuclear generation system if the utility achieved a net capacity factor of $\geq 92.5\%$ during the 12 month period under review. For the test period April 1, 2007 through July 31, 2007, actual period to date performance is summarized below:

Period to Date: April 1, 2007 to July 31, 2007

Nuclear System Capacity Factor Calculation (Based on net generation)

A.. Nuclear system actual generation for SCPSC test period A = 9,033,106 MWH

B. Total number of hours during SCPSC test period B = 2,928 hours

C. Nuclear system MDC during SCPSC test period (see page 2) C = 3,485 MW

D. Reasonable nuclear system reductions (see page 2) D = 1,290,271 MWH

A. SC Fuel Case nuclear system capacity factor: $[(A + D) / (B + C)] * 100 = 101.2\%$

NOTE:

If Line Item E $> 92.5\%$, presumption of utility's minimum cost of operation.

If Line Item E $< 92.5\%$, utility has burden of proof of reasonable operations.

Amended SC Fuel Rule
Nuclear System Capacity Factor Calculation
Reasonable Nuclear System Reductions
Period to Date: April 1, 2007 to July 31, 2007

Nuclear Unit Name and Designation	BNP Unit # 1	BNP Unit # 2	HNP Unit # 1	RNP Unit # 2	Nuclear System
Unit MDC	938 MW	937 MW	900 MW	710 MW	3,485 MW
Reasonable refueling outage time (MWH)	0	392,521	0	628,587	
Reasonable maintenance, repair, and equipment replacement outage time (MWH)	132,525	5,334	0	34,707	
Reasonable coast down power reductions (MWH)	0	0	0	6,195	
Reasonable power ascension power reductions (MWH)	20,463	27,100	0	22,063	
Prudent NRC required testing outages (MWH)	2,805	3,775	0	0	
SCPSC identified outages not directly under utility control (MWH)	0	0	0	0	
Acts of Nature reductions (MWH)	0	0	0	14,196	
Reasonable nuclear reduction due to low system load (MWH)	0	0	0	0	
Unit total excluded MWH	155,793	428,730	0	705,748	
Total reasonable outage time exclusions [carry to Page 1, Line D]					1,290,271